

REMARKS

Applicant thanks the Examiner for the notification of allowable material with respect to claims 11-24. Claims 1-24 are presently in the application. Herein Applicant amends claims 1, 10, 12, 14, 17, and 21-24, and cancels claim 11 without prejudice to future prosecution.

In paragraph 1 and 2 of the Office Action, the Examiner rejects claims 1-24 under 35 U.S.C. 112, second paragraph as being indefinite. In response, Applicant amends claims 1 and 10 to clarify the antecedent basis for the PWB.

In paragraphs 3 and 4 of the Office Action, the Examiner rejects claims 1-10 as being anticipated by Phillips, II (U.S. Patent No. 5,239,135). In response, Applicant amends claim 1 to incorporate the structure of claim 11, which the Examiner has indicated as allowable subject matter. Accordingly, Applicant respectfully submits that claim 1, and all claims depending therefrom, are in a condition for allowance.

Applicant also amends claim 10 to incorporate the structure of claim 11, which the Examiner has indicated as allowable subject matter. Accordingly, Applicant respectfully submits that claim 10, and all claims depending therefrom, are in a condition for allowance.

Applicant also adjusts the dependencies of claims 12, 14, 17, and 21-24 to depend from claim 10.

As claim 11 is now redundant of (amended) claim 10, Applicant cancels claim 11 without prejudice.

Applicant also submits formal drawings for review and acceptance of the Examiner.

Applicant has reviewed the prior art made of record and believes all pending claims are patentably distinguishable therefrom.

CONCLUSION

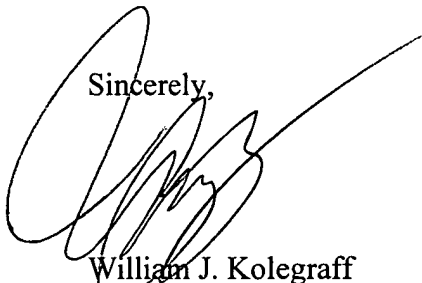
In sum, applicant has amended claims 1, 10, 12, 14, 17, 21, 22, 23, and 24, and cancelled claim 11 without prejudice.

Applicant thanks the Examiner for the notification of allowable subject matter with respect to claim 11. Applicant has amended independent claims 1 and 10 to include the allowable subject matter of claim 11. As amended, all pending claims depend from either claim 1 or claim 10. Applicant respectfully asserts that all pending claims are in condition for allowance.

Attached hereto is a marked-up version of the changes made to the claims by the current amendment. The attached page is captioned **VERSION WITH MARKINGS TO SHOW CHANGES MADE**.

Respectfully submitted November 19, 2002. Please address any questions or comments to the undersigned.

Sincerely,

A handwritten signature in black ink, appearing to read 'William J. Kolegraff', is written over the typed name and address.

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

The amendments to the claims are illustrated below with underlined text representing what has been added and bracketed text representing what has been deleted

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In the Claims:

Claim 11 has been cancelled without prejudice.

Claims 1, 10, 12, 14, 17, 21, 22, 23, and 24 have been amended as marked below:

1. *(Amended)* A recessed fastener adapter device for recessing a fastener on a printed wire board (PWB), the device comprising:
a board interface for interfacing the adapter device with [a]the PWB at a fastener hole, wherein the board interface interfaces with the PWB at the fastener hole;
and,
a fastener head engaging surface for accepting and recessing a fastener head, wherein the fastener head engaging surface engages a fastener head and recesses a fastener head at least partially below the PWB top surface.

10. *(Amended)* A system for recessing a fastener on a printed wire board (PWB), the system comprising:
[a]the PWB having a fastener hole, a top surface, and a bottom surface;
and,
a recessed fastener adapter including:
a board interface for interfacing the recessed fastener adapter with the PWB at the fastener hole, wherein the board interface interfaces with the PWB at the fastener hole; and,

a fastener head engaging surface for accepting and recessing a fastener head, wherein the fastener head engaging surface engages a fastener head and recesses a fastener head at least partially below the PWB top surface.

11. *Claim 11 has been cancelled.*

12. *(Amended)* The system of claim [11]10 wherein the board interface includes a tube with an exterior surface, wherein a flange extends radially outward from the exterior surface, wherein the flange has an upper surface for interfacing with the PWB, and wherein the flange upper surface interfaces with the PWB bottom surface at the PWB fastening hole.

14. *(Amended)* The device of claim [11]10 wherein the board interface includes a tube with an exterior surface, wherein a flange extends radially outward from the exterior surface, and wherein the flange has a lower surface for interfacing with the PWB.

17. *(Amended)* The device of claim [11]10 wherein the board interface includes a tube with an exterior surface for interfacing with the PWB; and, wherein the fastener head engaging surface includes the tube having a closed end with a stepped bore for engaging a fastener head and passing a fastener shaft attached to a fastener head.

21. *(Amended)* The system of claim [11]10 wherein the board interface has an exterior surface for interfacing the recessed fastener adapter with the PWB at the fastener hole, and wherein at least part of the exterior surface is in compression where interfacing with the PWB.

22. *(Amended)* The system of claim [11]10 wherein the board interface has an exterior surface for interfacing the recessed fastener adapter with the PWB at the fastener hole, wherein the exterior surface accepts an adhesive material for interfacing with the PWB, and wherein the exterior surface is attached to the PWB with an adhesive material.

23. *(Amended)* The system of claim [11]10 wherein the board interface has an exterior surface for interfacing the recessed fastener adapter with the PWB at the fastener hole, wherein the exterior surface is a material conducive to solder bonding, and wherein the exterior surface is bonded to the PWB with solder.

24. *(Amended)* The system of claim [11]10 wherein the board interface has an exterior surface for interfacing the recessed fastener adapter with the PWB at the fastener hole, and wherein at least part of the exterior surface is grooved.